Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A needleless syringe for injecting an active ~~principle (7) initially placed between, on the one hand,~~principle, comprising:

an injector ~~(1,10) comprising~~including at least one injection nozzle, said injector being placed at the downstream end ~~(2)~~ of the ~~syringe, and, on the other hand,~~ syringe; and

a wall ~~(8)~~ that can be displaced under the effect of a propulsive system ~~(9)~~ pressurizing and expelling the active principle through the injector, ~~characterized in that the~~ wherein:

the active principle is initially placed between the injector and the wall, and

the injector ~~(1, 10) consists of the~~includes an assembly of at least two elements ~~(3, 4, 5, 6, 33, 34)~~; each ~~element~~ of said elements having a downstream face, an upstream face and a lateral surface joining ~~them~~ said elements together, the ~~contacting~~ lateral surfaces ~~(30, 40, 40', 50, 60, 330, 340)~~ of said elements in the assembly being wholly or partly ~~lateral surfaces of said elements~~in contact with each other to define contacting surfaces; at least one of the ~~contacting~~ lateral surfaces having at least one groove ~~(31, 41, 41', 53, 54, 55)~~ which constitutes ~~an~~ the injection nozzle in the assembly of said elements; and the injection nozzle being located between the lateral surfaces.

2. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that~~wherein the contacting surfaces ~~(30, 40, 40')~~ are non-planar surfaces ~~of revolution~~.

3. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that~~wherein the contacting surfaces ~~(50, 60)~~ are ~~flat~~ planar surfaces.

4. (Currently Amended) The needleless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that~~ wherein the groove ~~(31, 41, 41')~~ is straight.

5. (Currently Amended) The needless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that~~ wherein the groove is helical.

6. (Currently Amended) The needless syringe as claimed in claim 1, ~~characterized in that a groove (54)~~ wherein the groove is formed by the convergence of at least two grooves beginning from the upstream face and ending in a single groove towards the downstream face of the ~~element (34).~~element.

7. (Currently Amended) The needless syringe ~~as claimed in~~ according to claim 4, ~~characterized in that~~ wherein the groove ~~(31, 41, 41')~~ has a constant cross section.

8. (Currently Amended) The needless syringe ~~as claimed in~~ according to claim 4, ~~characterized in that~~ wherein the groove ~~(53, 54, 55)~~ has an evolving cross section.

9. (Currently Amended) The needless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that the injector (1) includes a support (4) comprising a housing into which~~ wherein said elements include a support and a one-piece core ~~(3, 33, 34) is~~ fitted into the support.

10. (Currently Amended) The needless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that the injector comprises~~ wherein said elements include a support and at least one core ~~consisting of~~ having at least two quarters assembled via their flat faces to form the at least one core with ~~a~~ the nozzle of evolving cross section, the quarters of the ~~various~~ cores being fitted into ~~housings of a~~ the support.

11. (Currently Amended) The needless syringe ~~as claimed in~~ according to claim 1, ~~characterized in that the injector (10) comprises~~ wherein said elements include a support and at least ~~one core consisting~~ two cores, each core comprising of at least two quarters ~~(5, 6) assembled by their~~ each having a flat ~~faces~~ face, the flat faces being assembled ~~(50,~~

~~60)~~ to form ~~at least one~~ each core with ~~a nozzle (55)~~ the nozzle with an evolving cross section, and the quarters ~~(5, 6) of the various cores~~ each core being held together by ~~overmolding (45).~~overmolding.

12. (Currently Amended) An injector ~~(1, 10)~~ for a needleless syringe, ~~characterized in that said injector consists~~ comprising an assembly of at least two ~~elements (3, 4, 5, 6, 30, 33, 34);~~ elements, wherein:

each ~~element~~ of said elements having a downstream face parallel to the downstream face of the injector, an upstream face and a lateral surface joining ~~them~~ said elements together, the ~~contacting~~ lateral surfaces ~~(30, 40, 40', 50, 60, 330, 340)~~ of said elements in the assembly being wholly or partly ~~lateral surfaces of said elements~~in contact with each other to define contacting surfaces; and at least one of the ~~contacting~~ lateral surfaces ~~comprising~~ having at least one groove ~~(31, 41, 41', 53, 54, 55)~~ which constitutes an injection nozzle in the assembly of said elements; and the injection nozzle being located between the lateral surfaces.